Colloids and Surfaces, 35 (1989) 362–363
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents: Physical, Chemical and Earth Sciences; INSPEC; PASCAL/CNRS)

VOLUME 35 (1989)

Effect of counterion complexation by a macrocyclic ligand on the cloud point of mixed anionic–nonionic surfactant solutions
L. Marszall (Nowe, Poland) 1

The use of sinusoidal streaming flow measurements to determine the electrokinetic properties of porous media
C.M. Cerda and K. Non-Chhom (Edmonton, Canada) 7

Liquid membrane phenomenon in the action of barbiturates
A.N. Nagappa, D.B. Raju and R.C. Srivastava (Pilani, India) 17

Effect of mineral impurities on the charge and surface potential of coal: application to obtaining concentrated suspensions of coal in water
B. Siffert and T. Hamieh (Mulhouse, France) 27

Surface free energy of celestite and its flotation activity
B. Jańczuk, E. Chibowski, T. Białopiotrowicz (Lublin, Poland) and F. González-Caballero (Granada, Spain) 41

Simultaneous removal of dissolved organics and divalent metal cations from water using micellar-enhanced ultrafiltration
R.O. Dunn, Jr, J.F. Scamehorn and S.D. Christian (Norman, OK, U.S.A.) 49

Influence of surfactants on electro-osmotic dewatering of sludges
A.J.G. van Diemen, M.J.H. de Vet and H.N. Stein (Eindhoven, The Netherlands) 57

Adsorption–desorption in celestite ($SrSO_4$) flotation with a cationic-type collector
F. González-Caballero (Granada, Spain), E. Chibowski, L. Hołysz (Lublin, Poland), M.A. Cabrerizo and J.M. Bruque (Granada, Spain) 65

Electrical properties of adsorbed films of some halogeno-acetic acid derivatives at the water/air interface
P. Dynarowicz (Kraków, Poland) 77

The point of zero charge of hydrous RuO_2
S. Ardizzone, A. Daghetti, L. Franceschi and S. Trasatti (Milan, Italy) 85

Brief Notes

Evidence for the presence of hydrocarbon impurities in batches of analytical-grade sucrose
I.D. Bianco and B. Maggio (Cordoba, Argentina) 97

Temperature-dependent catalytic behaviour of peroxidase entrapped in reverse micelles
S. Das and A. Maitra (Delhi, India) 101

In situ study of the solution/solid interface between 8-hydroxyquinoline and tantalum pentoxide using ATR-FTIR
G.S. Walker and P.K. Weissenborn (Perth, Australia) 105

Announcements 115

Special issue: Colloids and Interfaces. A Collection of Papers Presented at the Conference on Colloids and Interfaces, Cetraro, Italy, 28 September–1 October 1987

Reviews

Reactivity in functionalized surfactant assemblies
U. Tonellato (Padua, Italy) 121

Colloids and Surfaces, 35 (1989) 362–363
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents: Physical, Chemical and Earth Sciences; INSPEC; PASCAL/CNRS)

VOLUME 35 (1989)

Effect of counterion complexation by a macrocyclic ligand on the cloud point of mixed anionic–nonionic surfactant solutions
L. Marszall (Nowe, Poland) 1

The use of sinusoidal streaming flow measurements to determine the electrokinetic properties of porous media
C.M. Cerda and K. Non-Chhom (Edmonton, Canada) 7

Liquid membrane phenomenon in the action of barbiturates
A.N. Nagappa, D.B. Raju and R.C. Srivastava (Pilani, India) 17

Effect of mineral impurities on the charge and surface potential of coal: application to obtaining concentrated suspensions of coal in water
B. Siffert and T. Hamieh (Mulhouse, France) 27

Surface free energy of celestite and its flotation activity
B. Jańczuk, E. Chibowski, T. Białopiotrowicz (Lublin, Poland) and F. González-Caballero (Granada, Spain) 41

Simultaneous removal of dissolved organics and divalent metal cations from water using micellar-enhanced ultrafiltration
R.O. Dunn, Jr, J.F. Scamehorn and S.D. Christian (Norman, OK, U.S.A.) 49

Influence of surfactants on electro-osmotic dewatering of sludges
A.J.G. van Diemen, M.J.H. de Vet and H.N. Stein (Eindhoven, The Netherlands) 57

Adsorption–desorption in celestite ($SrSO_4$) flotation with a cationic-type collector
F. González-Caballero (Granada, Spain), E. Chibowski, L. Hołysz (Lublin, Poland), M.A. Cabrerizo and J.M. Bruque (Granada, Spain) 65

Electrical properties of adsorbed films of some halogeno-acetic acid derivatives at the water/air interface
P. Dynarowicz (Kraków, Poland) 77

The point of zero charge of hydrous RuO_2
S. Ardizzone, A. Daghetti, L. Franceschi and S. Trasatti (Milan, Italy) 85

Brief Notes

Evidence for the presence of hydrocarbon impurities in batches of analytical-grade sucrose
I.D. Bianco and B. Maggio (Cordoba, Argentina) 97

Temperature-dependent catalytic behaviour of peroxidase entrapped in reverse micelles
S. Das and A. Maitra (Delhi, India) 101

In situ study of the solution/solid interface between 8-hydroxyquinoline and tantalum pentoxide using ATR-FTIR
G.S. Walker and P.K. Weissenborn (Perth, Australia) 105

Announcements 115

Special issue: Colloids and Interfaces. A Collection of Papers Presented at the Conference on Colloids and Interfaces, Cetraro, Italy, 28 September–1 October 1987

Reviews

Reactivity in functionalized surfactant assemblies
U. Tonellato (Padua, Italy) 121

Model systems: a strategy for studying biological membranes
A. Gliozzi and M. Robello (Genoa, Italy) 135
Chain molecules at interfaces: a versatile self-consistent lattice model
G.J. Fleer (Wageningen, The Netherlands) 151
Thermodynamic studies of micelles, microemulsions and emulsions
J.E. Desnoyers, D. Hétu and G. Caron (Ste-Foy, Canada) 169
Photochemical and radiation chemistry techniques in the study of colloidal systems
D. Meisel and W.A. Mulac (Argonne, IL, U.S.A.) 179
Multinuclear NMR characterization of microemulsions: preparation of monodisperse colloidal metal boride particles
J.B. Nagy (Namur, Belgium) 201
Aggregation in formamide solution: reactivity and structure of non-aqueous microemulsions
A. Lattes and I. Rico (Toulouse, France) 221

Research Papers
Reaction kinetics as a probe for the structuring of microemulsions
C. Minero, E. Pramauro (Turin, Italy) and E. Pelizzetti (Parma, Italy) 237
Amphiphilic acid dyes. Dyeing properties and interactions with surface-active systems
P. Savarino, G. Viscardi, R. Carpignano and E. Barni (Turin, Italy) 251
Lipid–polypeptide interaction in monolayers and in black lipid membranes
G. Gabrielli (Florence, Italy), A. Gliozzi, A. Sanguineti (Genoa, Italy) and A. D'Agata (Florence, Italy) 261
Effects of the surface state on the interfacial behaviour of oxides
S. Ardizzone, L. Formaro and M. Pelozzi (Milan, Italy) 275
Particle transfer and deposition from flowing colloid suspensions
Z. Adamczyk (Krakow, Poland) 283
Thermodynamic properties of pentanol in dodecyltrimethylammonium bromide aqueous solutions
R. De Lisi and S. Milioto (Palermo, Italy) 309

Short Communications
Krafft point solubility phenomena
C. La Mesa and L. Coppola (Rende, Italy) 325
The temperature dependence of critical micellar concentrations
C. La Mesa (Rende, Italy) 329
Conductometric study of poly(ethylene oxide)–water interactions in electrolyte solutions
F. Bordi, C. Cametti and A. Di Biasio (Rome, Italy) 337
Polymerized monolayers from a styrene functionalized surfactant
R. Rolandi, R. Paradiso (Genoa, Italy) and J.H. Fendler (Syracuse, NY, U.S.A.) 343
Effect of cholesterol on the DOPA oxidase activity of liposome-integrated mushroom tyrosinase
M. Miranda, F. Amicarelli, A.M. Ragnelli, A. Poma and A. Arcadi (L'Aquila, Italy) 353

End of special issue papers

Author Index 359
Subject Index 360
Contents (Volume 35) 362